

Active Recombinant Human PRLR protein, Mouse IgG2a Fc-tagged

Cat. No. PRLR-0638H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRLR protein(Gln25-Asp234), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-234 a.a.
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human Prolactin, Mouse IgG2a Fc Tag, low endotoxin at 1 µg/mL (100 µL/well) can bind Human Prolactin R, Fc Tag with a linear range of 2-39 ng/mL. Immobilized Human GH, Tag Free at 2 µg/mL (100 µL/well) can bind Human Prolactin R, Fc Tag with a linear range of 0.4-6 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 51.0 kDa. The protein migrates as 64 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	PRLR prolactin receptor [Homo sapiens]
Official Symbol	PRLR
Synonyms	PRLR; prolactin receptor; PRL-R; hPRL receptor; secreted prolactin binding protein; hPRLrI;
Gene ID	5618
mRNA Refseq	NM_000949
Protein Refseq	NP_000940
MIM	176761
UniProt ID	P16471